June 21, 2007 to July 12, 2007
15 minute measurements with YSI SONDE 660: DWR
Data from this time period was provided by Department of Water Resources

July 12 to July 24, 2007
15 minute measurements with YSI Sonde 6600: #14
Notebook reference: F14P32, F13P31
The instrument was deployed in a black PVC housing. The SONDE was suspended from the DWR monitoring platform on a 3/16 stainless cable and secured with a padlock. It was submerged to about 2-3 feet below the water surface. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	34.099	0	1	0	-0.188	1
Pressure (mmHg)	n/a	761.1	761.1	n/a	n/a	756.9	n/a
DO %	100	96.4	100	1	100	103.2	1
DO (mg/L)	8.79	8.46	8.78	1	8.76	9.08	1
DO Charge	25-75	n/a	n/a	n/a	25-75	n/a	n/a
Wet towel Temp (degC)	Ambient	21.8	21.82	n/a	Ambient	21.71	n/a
EC Temp (degC)	21.8	22.02	22.02	1	20.8	21.1	1
EC	1.408	1.425	1.408	1	1.408	1.375	1
LCS EC	1.412	n/a	1.367	1	1.412	1.348	1
pH 4.0	4	4.13	4	1	4	4.15	1
pH 7.0	7	6.97	7	1	7	7.06	1
pH 10.0	10	10.07	10.01	1	10	10.14	1
LCS pH 4.01	4.01	n/a	4.07	1	4.01	4.14	1
LCS pH 7.0	7	n/a	6.98	1	7	7.13	1
LCS pH 10.01	10.01	n/a	9.98	1	10.01	10.11	1
ORP	234.96	211.2	235	1	236.16	234.5	1
Turbidity 0 NTU	0	3.2	0	1	0	0.3	1
Turbidity 40 NTU	40	36.6	39.9	1	40	43.6	1
Turbidity 200 NTU	200	239.6	200	1	200	180.4	1
Chla	≤0	-4	-3.5	1	≤0	-3	1
Flr	≤0	-1	-0.8	1	≤0	-0.8	1

July 24 to August 7, 2007
15 minute measurements with YSI Sonde 6600: #5
Notebook reference: F14P64,110
The instrument was deployed in a black PVC housing The SONDE was suspended from the DWR monitoring platform on a 3/16 stainless cable and secured with a padlock. It was submerged to about 2-3 feet below the water surface. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	-0.008	0	1	0	0.1	1
Pressure (mmHg)	n/a	758	758.1	n/a	n/a	759.4	n/a
DO %	100	102	99.7	1	100	108.5	1
DO (mg/L)	8.87	9.07	8.88	1	8.94	9.7	1
DO Charge	25-75	52.3	52.3	1	25-75	35.9	1
Wet towel Temp (degC)	Ambient	20.86	21.09	n/a	Ambient	20.84	n/a
EC Temp (degC)	22.7	22.61	22.65	1	21.4	21.34	1
EC	1.408	1.396	1.408	1	1.408	1.454	1
LCS EC	1.412	n/a	1.372	1	1.412	1.388	1
pH 4.0	4	3.98	4	1	4	4.04	1
pH 7.0	7	6.94	7	1	7	6.99	1
pH 10.0	10	10.15	10.02	1	10	10.01	1
LCS pH 4.01	4.01	n/a	3.95	1	4.01	4.03	1
LCS pH 7.0	7	n/a	7.04	1	7	6.92	1
LCS pH 10.01	10.01	n/a	9.97	1	10.01	10.02	1
ORP	234.14	232.9	234.1	1	235.84	234.7	1
Turbidity 0 NTU	0	0.1	0	1	0	0.2	1
Turbidity 40 NTU	40	48.2	40	1	40	35.4	1
Turbidity 200 NTU	200	183.5	199.9	1	200	192.8	1
Chla	≤0	1.7	0.3	1	≤0	2	0
Flr	≤0	0.3	0.1	1	≤0	0.4	0

August 7 to August 21, 2007
15 minute measurements with YSI Sonde 6600: #3
Notebook reference: F14P98
The instrument was deployed in a black PVC housing The SONDE was suspended from the DWR monitoring platform on a 3/16 stainless cable and secured with a padlock. It was submerged to about 2-3 feet below the water surface. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	0.25	0	1	0	-0.361	1
Pressure (mmHg)	n/a	762.1	762.1	n/a	n/a	754.2	n/a
DO %	100	98.4	100.3	1	100	104.6	1
DO (mg/L)	8.88	8.68	8.88	1	8.78	9.25	1
DO Charge	25-75	45.1	45.1	1	25-75	41	1
Wet towel Temp (degC)	Ambient	22.03	21.36	n/a	Ambient	21.39	n/a
EC Temp (degC)	22.4	21.98	21.99	1	22.5	22.28	1
EC	1.408	1.384	1.408	1	1.408	1.406	1
LCS EC	1.412	n/a	1.378	1	1.412	1.377	1
pH 4.0	4	3.93	4	1	4	4.1	1
pH 7.0	7	7.04	7	1	7	7.02	1
pH 10.0	10	10.04	10.01	1	10	10	1
LCS pH 4.01	4.01	n/a	4.04	1	4.01	4.08	1
LCS pH 7.0	7	n/a	6.98	1	7	7.02	1
LCS pH 10.01	10.01	n/a	9.93	1	10.01	9.94	1
ORP	234.99	231.6	235	1	234.62	236.2	1
Turbidity 0 NTU	0	0.3	0	1	0	0	1
Turbidity 40 NTU	40	45.9	40	1	40	35.1	1
Turbidity 200 NTU	200	191.3	200	1	200	199.6	1
Chla	≤0	-2	-1.9	1	≤0	-1.7	1
Flr	≤0	-0.5	-0.5	1	≤0	-0.4	1

August 21, 2007 to September 17, 2007
15 minute measurements with YSI Sonde 6600: DWR
Data from this time period was provided by Department of Water Resources

San Joaquin River at Maze Blvd DO-06

July 10 to July 24, 2007
15 minute measurements with YSI Sonde 6600: #6
Notebook reference: F14P20,25,73
The instrument was deployed in a black PVC housing The SONDE was suspended from the ESWD lift platform on a 3/16 stainless cable and secured with a padlock. It was submerged to about 1-2 feet below the water surface. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	0.046	0	1	0	0.031	1
Pressure (mmHg)	n/a	758.1	758.1	n/a	n/a	757.2	n/a
DO %	100	122.2	99.8	1	100	107.3	1
DO (mg/L)	8.98	11	8.98	1	8.89	9.5	1
DO Charge	25-75	64.5	63.5	1	25-75	80.8	0
Wet towel Temp (degC)	Ambient	20.51	20.51	n/a	Ambient	20.94	n/a
EC Temp (degC)	20.2	20.55	20.55	1	21.2	21.03	1
EC	1.408	1.366	1.408	1	1.408	1.385	1
LCS EC	1.412	n/a	1.402	1	1.412	1.388	1
pH 4.0	4	4.11	4	1	4	4.04	1
pH 7.0	7	7	7	1	7	7.03	1
pH 10.0	10	10.03	10	1	10	10.01	1
LCS pH 4.01	4.01	n/a	4.04	1	4.01	4.09	1
LCS pH 7.0	7	n/a	6.97	1	7	6.99	1
LCS pH 10.01	10.01	n/a	9.96	1	10.01	9.95	1
ORP	236.87	233	236.9	1	236.25	235.2	1
Turbidity 0 NTU	0	0	0	1	0	0.7	1
Turbidity 40 NTU	40	32.1	40	1	40	44.5	1
Turbidity 200 NTU	200	224.2	200.1	1	200	188.2	1
Chla	≤0	-0.9	-1.2	1	≤0	-1.5	1
Flr	≤0	-0.3	-0.3	1	≤0	-0.3	1

July 24 to August 7, 2007
15 minute measurements with YSI Sonde 6600: #8
Notebook reference: F14P63,111
The instrument was deployed in a black PVC housing The SONDE was suspended from the ESWD lift platform on a 3/16 stainless cable and secured with a padlock. It was submerged to about 1-2 feet below the water surface. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	0.009	0	1	0	0.072	1
Pressure (mmHg)	n/a	758.6	758.7	n/a	n/a	758.6	n/a
DO %	100	111.4	99.8	1	100	106.3	1
DO (mg/L)	8.68	9.2	8.68	1	8.93	9.55	1
DO Charge	25-75	45.1	45.1	1	25-75	43.1	1
Wet towel Temp (degC)	Ambient	22.17	22.28	n/a	Ambient	20.83	n/a
EC Temp (degC)	22.8	22.64	22.65	1	21.5	21.48	1
EC	1.408	1.422	1.408	1	1.408	1.469	1
LCS EC	1.412	n/a	1.377	1	1.412	1.375	1
pH 4.0	4	4	4	1	4	4.1	1
pH 7.0	7	7.06	7	1	7	6.96	1
pH 10.0	10	10.02	10	1	10	10	1
LCS pH 4.01	4.01	n/a	4	1	4.01	4.07	1
LCS pH 7.0	7	n/a	6.99	1	7	6.98	1
LCS pH 10.01	10.01	n/a	9.95	1	10.01	9.95	1
ORP	234.14	n/a	n/a	n/a	235.66	n/a	n/a
Turbidity 0 NTU	0	0.4	0	1	0	0.2	1
Turbidity 40 NTU	40	41.9	40	1	40	38.4	1
Turbidity 200 NTU	200	188.4	199.9	1	200	192.5	1
Chla	≤0	0.2	0	1	≤0	0.5	1
Flr	≤0	0.1	0	1	≤0	0.1	1

August 7 to August 21, 2007
15 minute measurements with YSI Sonde 6600: #15
Notebook reference: F14P100
The instrument was deployed in a black PVC housing The SONDE was suspended from the ESWD lift platform on a 3/16 stainless cable and secured with a padlock. It was submerged to about 1-2 feet below the water surface. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	0.192	0	1	0	-0.316	1
Pressure (mmHg)	n/a	761.1	761.1	n/a	n/a	754	n/a
DO %	100	99.9	100.1	1	100	98.9	1
DO (mg/L)	8.87	8.85	8.87	1	8.75	8.73	1
DO Charge	25-75	n/a	n/a	n/a	25-75	n/a	n/a
Wet towel Temp (degC)	Ambient	21.34	21.35	n/a	Ambient	21.52	n/a
EC Temp (degC)	21.1	21.23	21.23	1	22.4	22.3	1
EC	1.408	1.466	1.408	1	1.408	1.376	1
LCS EC	1.412	n/a	1.343	1	1.412	1.3	1
pH 4.0	4	4.09	4	1	4	4.09	1
pH 7.0	7	6.92	7	1	7	7.03	1
pH 10.0	10	7	10.01	1	10	10.04	1
LCS pH 4.01	4.01	n/a	3.97	1	4.01	4.06	1
LCS pH 7.0	7	n/a	6.94	1	7	7.04	1
LCS pH 10.01	10.01	n/a	10	1	10.01	10.01	1
ORP	235.99	234.8	235.9	1	234.59	233.2	1
Turbidity 0 NTU	0	0.2	0	1	0	0.2	1
Turbidity 40 NTU	40	37.5	40	1	40	41.7	1
Turbidity 200 NTU	200	196.9	200	1	200	203.8	1
Chla	≤0	-2.6	-2.2	1	≤0	-0.4	1
Flr	≤0	-0.4	-0.5	1	≤0	-0.1	1

August 21 to September 4, 2007
15 minute measurements with YSI Sonde 6600: #11
Notebook reference: F14P135,140
The instrument was deployed in a black PVC housing The SONDE was suspended from the ESWD lift platform on a 3/16 stainless cable and secured with a padlock. It was submerged to about 1-2 feet below the water surface. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	0.219	0	1	0	-0.192	1
Pressure (mmHg)	n/a	761.3	761.3	n/a	n/a	754.4	n/a
DO %	100	104.1	100.2	1	100	101.1	1
DO (mg/L)	8.43	8.73	8.43	1	8.91	9.07	1
DO Charge	25-75	63.5	63.5	1	25-75	56.3	1
Wet towel Temp (degC)	Ambient	24.02	24.03	n/a	Ambient	20.66	n/a
EC Temp (degC)	23.76	23.39	23.39	1	20.9	20.84	1
EC	1.408	1.459	1.408	1	1.408	1.352	1
LCS EC	1.412	n/a	1.378	1	1.412	1.333	1
pH 4.0	4	4.03	4	1	4	4.06	1
pH 7.0	7	6.98	7	1	7	7.02	1
pH 10.0	10	9.98	10	1	10	10.02	1
LCS pH 4.01	4.01	n/a	3.99	1	4.01	4.04	1
LCS pH 7.0	7	n/a	6.96	1	7	7.01	1
LCS pH 10.01	10.01	n/a	9.91	1	10.01	10.01	1
ORP	233.17	n/a	n/a	n/a	236.49	236.3	1
Turbidity 0 NTU	0	-1.1	0	1	0	0	1
Turbidity 40 NTU	40	39.1	40	1	40	38.9	1
Turbidity 200 NTU	200	198.1	200	1	200	204.6	1
Chla	≤0	-2	-1.1	1	≤0	-0.4	1
Flr	≤0	-0.5	-0.3	1	≤0	-0.2	1

September 4 to September 18, 2007
15 minute measurements with YSI Sonde 6600: #14
Notebook reference: F15P26,35
The instrument was deployed in a black PVC housing The SONDE was suspended from the ESWD lift platform on a 3/16 stainless cable and secured with a padlock. It was submerged to about 1-2 feet below the water surface. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	-0.09	0	1	0	-0.058	1
Pressure (mmHg)	n/a	758.4	758.3	n/a	n/a	757.2	n/a
DO %	100	98.8	99.9	1	100	98.1	1
DO (mg/L)	8.28	8.7	8.7	1	8.79	8.66	1
DO Charge	25-75	n/a	n/a	n/a	25-75	n/a	n/a
Wet towel Temp (degC)	Ambient	24.75	24.76	n/a	Ambient	21.51	n/a
EC Temp (degC)	24.9	24.75	24.76	1	22.5	22.94	1
EC	1.408	1.324	1.408	1	1.408	1.372	1
LCS EC	1.412	n/a	1.411	1	1.412	1.373	1
pH 4.0	4	4.07	4	1	4	4	1
pH 7.0	7	6.99	7	1	7	7.02	1
pH 10.0	10	10	10	1	10	10.02	1
LCS pH 4.01	4.01	n/a	4.02	1	4.01	4	1
LCS pH 7.0	7	n/a	7.01	1	7	6.98	1
LCS pH 10.01	10.01	n/a	9.98	1	10.01	10.01	1
ORP	231.39	n/a	n/a	n/a	233.76	232	1
Turbidity 0 NTU	0	-0.2	0	1	0	-0.1	1
Turbidity 40 NTU	40	42.2	39.9	1	40	40.5	1
Turbidity 200 NTU	200	202.7	200	1	200	181.9	1
Chla	≤0	-2.9	-3.4	1	≤0	-3.6	1
Flr	≤0	-0.8	-1	1	≤0	-0.9	1

September 18 to October 2, 2007
15 minute measurements with YSI Sonde 6600: #7
Notebook reference: F15P69, 75
The instrument was deployed in a black PVC housing The SONDE was suspended from the ESWD lift platform on a 3/16 stainless cable and secured with a padlock. It was submerged to about 1-2 feet below the water surface. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	0.133	0	1	0	0.084	1
Pressure (mmHg)	n/a	761.4	761.5	n/a	n/a	761.1	n/a
DO %	100	103.4	100.2	1	100	108.5	1
DO (mg/L)	8.66	8.94	8.66	1	8.87	9.61	1
DO Charge	25-75	49.2	49.2	n/a	25-75	43.1	n/a
Wet towel Temp (degC)	Ambient	22.56	22.59	n/a	Ambient	21.32	n/a
EC Temp (degC)	22.8	23	22.98	1	23.1	23.15	1
EC	1.408	1.377	1.408	1	1.408	1.41	1
LCS EC	1.412	n/a	1.415	1	1.412	1.413	1
pH 4.0	4	3.99	4	1	4	4.08	1
pH 7.0	7	7.02	7	1	7	7.05	1
pH 10.0	10	10.02	10	1	10	10.04	1
LCS pH 4.01	4.01	n/a	4	1	4.01	4.05	1
LCS pH 7.0	7	n/a	7	1	7	7.02	1
LCS pH 10.01	10.01	n/a	9.97	1	10.01	10.02	1
ORP	233.71	n/a	n/a	n/a	233.48	n/a	n/a
Turbidity 0 NTU	0	-0.1	0	1	0	0.3	1
Turbidity 40 NTU	40	42.1	40	1	40	40.5	1
Turbidity 200 NTU	200	185.5	200	1	200	202.1	1
Chla	≤0	-1.4	-1.7	1	≤0	-1	1
Flr	≤0	-0.3	-0.4	1	≤0	-0.3	1

DO-07 SJR at Patterson

June 12, 2007 to June 26, 2007
15 minute measurements with YSI Sonde 6600: #10
Notebook Reference: F12p105-113, 141-152
The instrument was deployed in one of our custom 4"PVC pipe housings for added protection. The SONDE plus housing were attached with 3/16" steel cable and padlocked to the platform of the pumping station Upon retrieval of the SONDE, the instrument was found exactly where it was left , with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	-0.163	0	1	0	0.203	1
Pressure (mmHg)	n/a	756.9	756.9	n/a	n/a	760.8	n/a
DO %	100	94.8	99.6	1	100	96.4	1
DO (mg/L)	8.83	8.4	8.83	1	8.82	8.5	1
DO Charge	25-75	51.2	51.2	1	25-75	54.3	1
Wet towel Temp (degC)	Ambient	21.26	21.27	n/a	Ambient	21.62	n/a
EC Temp (degC)	21.6	21.65	21.65	1	21.8	22.09	1
EC	1.408	1.559	1.408	1	1.408	1.362	1
LCS EC	1.412	n/a	1.342	1	1.412	1.329	1
pH 4.0	4	4.14	4	1	4	3.98	1
pH 7.0	7	6.95	7	1	7	6.91	1
pH 10.0	10	10.05	10.01	1	10	9.97	1
LCS pH 4.01	4.01	n/a	3.92	1	4.01	4	1
LCS pH 7.0	7	n/a	6.93	1	7	6.82	1
LCS pH 10.01	10.01	n/a	10	1	10.01	9.92	1
ORP	235.44	235.4	235.4	1	234.87	232.9	1
Turbidity 0 NTU	0	-1.1	0	1	0	-0.4	1
Turbidity 40 NTU	40	48.1	40	1	40	35.8	1
Turbidity 200 NTU	200	188.5	200.2	1	200	185.4	1
Chla	≤0	-0.3	-0.1	1	≤0	-0.3	1
Flr	≤0	0	0	1	≤0	-0.1	1

June 26 to July 10, 2007
15 minute measurements with YSI Sonde 6600: #7
Notebook reference: F12P143,144
The instrument was deployed in a black PVC housing The SONDE was attached towards the front of the PID lift pump structure in the SJR and secured with a cable and padlock. It was submerged to about 2-3 feet below the water surface. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	-0.016	-0.001	1	0	0.143	1
Pressure (mmHg)	n/a	760.8	760.7	n/a	n/a	761.5	n/a
DO %	100	94.9	100.1	1	100	33.6	0
DO (mg/L)	8.69	8.23	8.69	1	8.87	2.98	0
DO Charge	25-75	44.1	43.1	1	25-75	15	0
Wet towel Temp (degC)	Ambient	22.38	22.38	n/a	Ambient	21.38	n/a
EC Temp (degC)	22.5	22.68	22.69	1	22.1	21.81	1
EC	1.408	1.361	1.408	1	1.408	1.425	1
LCS EC	1.412	n/a	1.376	1	1.412	1.393	1
pH 4.0	4	4.02	4	1	4	4.1	1
pH 7.0	7	6.98	7	1	7	7.01	1
pH 10.0	10	10.08	10.02	1	10	10.2	1
LCS pH 4.01	4.01	n/a	4.02	1	4.01	4.12	1
LCS pH 7.0	7	n/a	6.86	1	7	7.03	1
LCS pH 10.01	10.01	n/a	9.96	1	10.01	10.01	1
ORP	234.08	n/a	n/a	n/a	235.23	n/a	n/a
Turbidity 0 NTU	0	0.3	0	1	0	0.4	1
Turbidity 40 NTU	40	38.3	40	1	40	36.5	1
Turbidity 200 NTU	200	203.8	200.1	1	200	204.9	1
Chla	≤0	-1.4	-1.5	1	≤0	-0.8	1
Flr	≤0	-0.3	-0.4	1	≤0	-0.2	1

July 10 to July 24, 2007
15 minute measurements with YSI Sonde 6600: #3
Notebook reference: F14P21,23, 72
The instrument was deployed in a black PVC housing. The SONDE was suspended from the PID lift platform on a 3/16 stainless cable and secured with a padlock. It was submerged to about 1-2 feet below the water surface. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	-0.025	0	1	0	0.067	1
Pressure (mmHg)	n/a	757.2	757.2	n/a	n/a	757.6	n/a
DO %	100	116.6	99.6	1	100	105.4	1
DO (mg/L)	8.84	10.31	8.85	1	8.93	9.45	1
DO Charge	25-75	49.2	49.2	1	25-75	45.1	1
Wet towel Temp (degC)	Ambient	21.21	21.21	n/a	Ambient	20.75	n/a
EC Temp (degC)	21.1	21.32	21.32	1	20.7	20.69	1
EC	1.408	1.442	1.408	1	1.408	1.374	1
LCS EC	1.412	n/a	1.336	1	1.412	1.351	1
pH 4.0	4	3.99	4	1	4	4.05	1
pH 7.0	7	6.98	7	1	7	6.94	1
pH 10.0	10	10.11	10.02	1	10	9.92	1
LCS pH 4.01	4.01	n/a	4.04	1	4.01	4.03	1
LCS pH 7.0	7	n/a	6.98	1	7	6.94	1
LCS pH 10.01	10.01	n/a	9.96	1	10.01	9.94	1
ORP	235.87	233.6	235.9	1	236.69	234.4	1
Turbidity 0 NTU	0	-0.1	0	1	0	-0.5	1
Turbidity 40 NTU	40	35.4	39.7	1	40	45.2	1
Turbidity 200 NTU	200	214.6	199.9	1	200	199.9	1
Chla	≤0	-1.6	-1.4	1	≤0	-2	1
Flr	≤0	-0.3	-0.3	1	≤0	-0.5	1

July 24 to August 7, 2007
15 minute measurements with YSI Sonde 6600: #7
Notebook reference: F14P63,110
The instrument was deployed in a black PVC housing The SONDE was suspended from the PID lift platform on a 3/16 stainless cable and secured with a padlock. It was submerged to about 1-2 feet below the water surface. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	-0.007	0	1	0	0.081	1
Pressure (mmHg)	n/a	758.4	758.4	n/a	n/a	759.1	n/a
DO %	100	105.5	99.8	1	100	110	1
DO (mg/L)	8.65	9.15	8.65	1	9.01	9.92	1
DO Charge	25-75	54.3	54.3	1	25-75	42	1
Wet towel Temp (degC)	Ambient	22.43	22.45	n/a	Ambient	20.41	n/a
EC Temp (degC)	22.7	22.75	22.77	1	21.5	21.38	1
EC	1.408	1.435	1.408	1	1.408	1.457	1
LCS EC	1.412	n/a	1.372	1	1.412	1.382	1
pH 4.0	4	4.03	4	1	4	4.09	1
pH 7.0	7	6.97	7	1	7	6.97	1
pH 10.0	10	10.05	10.01	1	10	9.98	1
LCS pH 4.01	4.01	n/a	4.01	1	4.01	4.08	1
LCS pH 7.0	7	n/a	7	1	7	6.95	1
LCS pH 10.01	10.01	n/a	9.97	1	10.01	9.97	1
ORP	233.98	n/a	n/a	n/a	235.79	n/a	n/a
Turbidity 0 NTU	0	-0.2	0	1	0	-0.1	1
Turbidity 40 NTU	40	41.9	40	1	40	36.4	1
Turbidity 200 NTU	200	187.2	200	1	200	190.1	1
Chla	≤0	-1.1	-1.1	1	≤0	-1.3	1
Flr	≤0	-0.3	-0.2	1	≤0	-0.3	1

August 7 to August 21, 2007
15 minute measurements with YSI Sonde 6600: #16
Notebook reference: F14P101
The instrument was deployed in a black PVC housing The SONDE was suspended from the PID lift platform on a 3/16 stainless cable and secured with a padlock. It was submerged to about 1-2 feet below the water surface. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged. During deployment battery voltage fell below minimum and unit stopped logging for about 2 days battery voltage came back up and unit started logging again. No explanation for battery failure and all sites experienced some drop in battery voltage. Message left with YSI regarding energizer batteries

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	0.109	0	1	0	-0.208	1
Pressure (mmHg)	n/a	760.7	760.7	n/a	n/a	755.9	n/a
DO %	100	100.8	100.2	1	100	102	1
DO (mg/L)	8.94	9	8.95	1	8.68	8.91	1
DO Charge	25-75	n/a	n/a	n/a	25-75	n/a	n/a
Wet towel Temp (degC)	Ambient	20.88	20.9	n/a	Ambient	22.08	n/a
EC Temp (degC)	21.1	21.15	21.15	1	23.2	23.21	1
EC	1.408	1.314	1.408	1	1.408	1.392	1
LCS EC	1.412	n/a	1.362	1	1.412	1.382	1
pH 4.0	4	4.06	4	1	4	4.11	1
pH 7.0	7	7	7	1	7	6.9	1
pH 10.0	10	10.04	10.01	1	10	10.14	1
LCS pH 4.01	4.01	n/a	4.01	1	4.01	3.99	1
LCS pH 7.0	7	n/a	6.96	1	7	7.01	1
LCS pH 10.01	10.01	n/a	9.96	1	10.01	10.08	1
ORP	236.09	235.5	236.1	1	233.41	231.4	1
Turbidity 0 NTU	0	-0.1	0	1	0	0.4	1
Turbidity 40 NTU	40	36.8	40	1	40	44.9	1
Turbidity 200 NTU	200	198	199.9	1	200	193.2	1
Chla	≤0	-2.9	-3	1	≤0	-2.7	1
Flr	≤0	-0.7	-0.8	1	≤0	-0.7	1

August 21 to September 4, 2007
15 minute measurements with YSI Sonde 6600: #7
Notebook reference: F14P134,140
The instrument was deployed in a black PVC housing The SONDE was suspended from the PID lift platform on a 3/16 stainless cable and secured with a padlock. It was submerged to about 1-2 feet below the water surface. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged. Energizer batteries began to cut out on 9/3

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	0.196	0	1	0	-0.191	1
Pressure (mmHg)	n/a	761.7	761.7	n/a	n/a	754	n/a
DO %	100	109.8	100.2	1	100	108.3	1
DO (mg/L)	8.44	9.2	8.44	1	9.05	9.89	1
DO Charge	25-75	48.2	48.2	1	25-75	41	1
Wet towel Temp (degC)	Ambient	23.99	24.01	n/a	Ambient	19.81	n/a
EC Temp (degC)	24.3	24.14	24.13	1	20.8	20.68	1
EC	1.408	1.393	1.408	1	1.408	1.372	1
LCS EC	1.412	n/a	1.399	1	1.412	1.363	1
pH 4.0	4	4.11	4	1	4	4.04	1
pH 7.0	7	6.92	7	1	7	7.02	1
pH 10.0	10	10.08	10.01	1	10	10.06	1
LCS pH 4.01	4.01	n/a	3.98	1	4.01	3.99	1
LCS pH 7.0	7	n/a	6.98	1	7	7	1
LCS pH 10.01	10.01	n/a	9.95	1	10.01	10.04	1
ORP	232.21	n/a	n/a	n/a	236.70	n/a	n/a
Turbidity 0 NTU	0	-0.2	0	1	0	-0.1	1
Turbidity 40 NTU	40	37.9	40	1	40	38.9	1
Turbidity 200 NTU	200	195.2	200	1	200	204.3	1
Chla	≤0	-1.3	-1.1	1	≤0	-0.3	1
Flr	≤0	-0.3	-0.3	1	≤0	-0.1	1

September 4 to September 18, 2007
15 minute measurements with YSI Sonde 6600: #12
Notebook reference: F15P27,35
The instrument was deployed in a black PVC housing The SONDE was suspended from the PID lift platform on a 3/16 stainless cable and secured with a padlock. It was submerged to about 1-2 feet below the water surface. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged. Energizer batteries began to cut out on 9/3

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	-0.072	0	1	0	-0.102	1
Pressure (mmHg)	n/a	758.2	758.2	n/a	n/a	757.1	n/a
DO %	100	101.4	99.9	1	100	98.5	1
DO (mg/L)	8.55	8.71	8.71	1	8.64	8.54	1
DO Charge	25-75	n/a	n/a	n/a	25-75	n/a	n/a
Wet towel Temp (degC)	Ambient	23.03	23.03	n/a	Ambient	22.4	n/a
EC Temp (degC)	24.5	24.44	24.42	1	22.4	22.71	1
EC	1.408	1.353	1.408	1	1.408	1.379	1
LCS EC	1.412	n/a	1.42	1	1.412	1.373	1
pH 4.0	4	4.08	4	1	4	4.09	1
pH 7.0	7	7	7	1	7	6.97	1
pH 10.0	10	9.99	10	1	10	9.99	1
LCS pH 4.01	4.01	n/a	4	1	4.01	4.07	1
LCS pH 7.0	7	n/a	6.98	1	7	6.98	1
LCS pH 10.01	10.01	n/a	9.99	1	10.01	10	1
ORP	231.83	229.6	231.9	1	234.06	235	1
Turbidity 0 NTU	0	0.3	0	1	0	0.5	1
Turbidity 40 NTU	40	42	40	1	40	43.5	1
Turbidity 200 NTU	200	195.9	200	1	200	194.2	1
Chla	≤0	-1.1	-0.2	1	≤0	-3	1
Flr	≤0	-0.2	0	1	≤0	-0.7	1

September 18 to October 2, 2007
15 minute measurements with YSI Sonde 6600: #17
Notebook reference:F15P71, 75
The instrument was deployed in a black PVC housing The SONDE was suspended from the PID lift platform on a 3/16 stainless cable and secured with a padlock. It was submerged to about 1-2 feet below the water surface. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged. Energizer batteries began to cut out on 9/3

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	0.288	0	1	0	0.019	1
Pressure (mmHg)	n/a	759.9	759.9	n/a	n/a	759.2	n/a
DO %	100	102	100	1	100	100.5	1
DO (mg/L)	8.63	8.8	8.63	1	8.84	8.9	1
DO Charge	25-75	n/a	n/a	n/a	25-75	n/a	n/a
Wet towel Temp (degC)	Ambient	22.7	22.7	n/a	Ambient	21.35	n/a
EC Temp (degC)	22.5	22.64	22.62	1	22.7	22.65	1
EC	1.408	1.341	1.408	1	1.408	1.436	1
LCS EC	1.412	n/a	1.405	1	1.412	1.418	1
pH 4.0	4	4.08	4	1	4	4.04	1
pH 7.0	7	6.99	7	1	7	6.98	1
pH 10.0	10	10.04	10.01	1	10	10	1
LCS pH 4.01	4.01	n/a	3.98	1	4.01	3.99	1
LCS pH 7.0	7	n/a	7	1	7	6.96	1
LCS pH 10.01	10.01	n/a	10.01	1	10.01	10	1
ORP	234.17	232.5	234.2	1	234.14	233.9	1
Turbidity 0 NTU	0	-0.3	0.1	1	0	0.1	1
Turbidity 40 NTU	40	45.7	40	1	40	39.2	1
Turbidity 200 NTU	200	178.3	199.8	1	200	198.1	1
Chla	≤0	-1.5	-1.4	1	≤0	-2.8	1
Flr	≤0	-0.3	-0.4	1	≤0	-0.7	1

DO-08 SJR at Crows Landing (Turlock Sportsman's Club)

June 12, 2007 to June 26, 2007
15 minute measurements with YSI Sonde 6600: #4
Notebook Reference: F12p105-113, 141-152
The instrument was deployed in one of our custom 4"PVC pipe housings for added protection. The SONDE plus housing was attached with a 3/16" steel cable and padlocked to the dock at the Turlock Sportsman's Club Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	-0.179	0	1	0	0.191	1
Pressure (mmHg)	n/a	757.1	757.1	n/a	n/a	761.2	n/a
DO %	100	89.6	99.6	1	100	112.5	0
DO (mg/L)	8.84	7.94	8.84	1	8.96	10.07	0
DO Charge	25-75	41	41	1	25-75	35.9	1
Wet towel Temp (degC)	Ambient	21.25	21.26	n/a	Ambient	20.82	n/a
EC Temp (degC)	21.6	21.65	21.65	1	22.2	21.9	1
EC	1.408	1.456	1.408	1	1.408	1.356	1
LCS EC	1.412	n/a	1.344	1	1.412	1.333	1
pH 4.0	4	4.03	4	1	4	4.03	1
pH 7.0	7	6.97	7	1	7	7	1
pH 10.0	10	10.08	10.02	1	10	10	1
LCS pH 4.01	4.01	n/a	3.96	1	4.01	4.07	1
LCS pH 7.0	7	n/a	6.93	1	7	6.9	1
LCS pH 10.01	10.01	n/a	9.98	1	10.01	9.97	1
ORP	235.44	232.23	235.4	1	235.12	233.3	1
Turbidity 0 NTU	0	-0.7	0	1	0	0	1
Turbidity 40 NTU	40	45.5	40	1	40	37.2	1
Turbidity 200 NTU	200	203	200.8	1	200	184	1
Chla	≤0	-1.2	-1.1	1	≤0	-1.1	1
Flr	≤0	-0.3	-0.3	1	≤0	-0.3	1

June 26 to July 10, 2007
15 minute measurements with YSI Sonde 6600: #8
Notebook reference: F12P143,144
The instrument was deployed in a black PVC housing The SONDE was attached towards the front of the PID lift pump structure in the SJR and secured with a cable and padlock. It was submerged to about 2-3 feet below the water surface. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	-0.023	0	1	0	0.135	1
Pressure (mmHg)	n/a	760.5	760.5	n/a	n/a	761.5	n/a
DO %	100	96.9	100.1	1	100	102.3	1
DO (mg/L)	8.73	8.45	8.73	1	8.91	9	1
DO Charge	25-75	55.3	54.3	1	25-75	41	1
Wet towel Temp (degC)	Ambient	22.12	22.12	n/a	Ambient	21.16	n/a
EC Temp (degC)	22.3	22.44	22.44	1	22.1	21.95	1
EC	1.408	1.395	1.408	1	1.408	1.37	1
LCS EC	1.412	n/a	1.37	1	1.412	1.412	1
pH 4.0	4	4.02	4	1	4	4.07	1
pH 7.0	7	6.91	7	1	7	7.08	1
pH 10.0	10	10.04	10.01	1	10	10.17	1
LCS pH 4.01	4.01	n/a	4.09	1	4.01	4.1	1
LCS pH 7.0	7	n/a	6.87	1	7	7.09	1
LCS pH 10.01	10.01	n/a	9.9	1	10.01	10.13	1
ORP	234.41	n/a	n/a	n/a	235.05	n/a	n/a
Turbidity 0 NTU	0	-0.4	0	1	0	-0.1	1
Turbidity 40 NTU	40	39	40	1	40	35.5	1
Turbidity 200 NTU	200	205.1	200	1	200	203.5	1
Chla	≤0	0	-0.1	1	≤0	0.1	1
Flr	≤0	0	0	1	≤0	0	1

July 10 to July 24, 2007
15 minute measurements with YSI Sonde 6600: #12
Notebook reference: F14P19,22,73
The instrument was deployed in a black PVC housing The SONDE was suspended from the Turlock Sportsman's Club dock on a 3/16 stainless cable and secured with a padlock. It was submerged to about 1-2 feet below the water surface. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	0.075	0	1	0	0.021	1
Pressure (mmHg)	n/a	758.2	758.2	n/a	n/a	757.1	n/a
DO %	100	96.2	99.8	1	100	99.7	1
DO (mg/L)	9.12	8.81	9.13	1	8.77	8.78	1
DO Charge	25-75	n/a	n/a	n/a	25-75	n/a	n/a
Wet towel Temp (degC)	Ambient	19.68	19.7	n/a	Ambient	21.64	n/a
EC Temp (degC)	20.2	20.23	20.24	1	20.9	21.24	1
EC	1.408	1.358	1.408	1	1.408	1.391	1
LCS EC	1.412	n/a	1.387	1	1.412	1.389	1
pH 4.0	4	4.07	4	1	4	4.15	1
pH 7.0	7	7.01	7	1	7	7.06	1
pH 10.0	10	10	10	1	10	10.07	1
LCS pH 4.01	4.01	n/a	4.06	1	4.01	4.16	1
LCS pH 7.0	7	n/a	6.98	1	7	7.09	1
LCS pH 10.01	10.01	n/a	9.95	1	10.01	10.07	1
ORP	237.27	237.1	237.3	1	235.97	233	1
Turbidity 0 NTU	0	-0.1	0	1	0	0.2	1
Turbidity 40 NTU	40	33.1	39.9	1	40	41.8	1
Turbidity 200 NTU	200	211.4	200	1	200	188.9	1
Chla	≤0	-2.4	-2.8	1	≤0	-2.6	1
Flr	≤0	-0.5	-0.7	1	≤0	-0.7	1

July 24 to August 7, 2007
15 minute measurements with YSI Sonde 6600: #17
Notebook reference: F14P61,113
The instrument was deployed in a black PVC housing The SONDE was suspended from the Turlock Sportsman's Club dock on a 3/16 stainless cable and secured with a padlock. It was submerged to about 1-2 feet below the water surface. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	34.092	0	1	0	0.14	1
Pressure (mmHg)	n/a	760.1	760.1	n/a	n/a	758.7	n/a
DO %	100	98.1	99.9	1	100	99.3	1
DO (mg/L)	8.43	8.25	8.42	1	8.88	8.83	1
DO Charge	25-75	n/a	n/a	n/a	25-75	n/a	n/a
Wet towel Temp (degC)	Ambient	23.96	23.96	n/a	Ambient	21.13	n/a
EC Temp (degC)	23.8	24.37	24.14	1	21.4	21.55	1
EC	1.408	0.043	1.408	1	1.408	1.464	1
LCS EC	1.412	n/a	1.392	1	1.412	1.402	1
pH 4.0	4	4.07	4	1	4	4.17	1
pH 7.0	7	7	7	1	7	7.01	1
pH 10.0	10	10.05	10.01	1	10	10.03	1
LCS pH 4.01	4.01	n/a	4	1	4.01	4.14	1
LCS pH 7.0	7	n/a	7.01	1	7	7.03	1
LCS pH 10.01	10.01	n/a	9.95	1	10.01	10.06	1
ORP	232.19	208.9	232.1	1	235.57	233.5	1
Turbidity 0 NTU	0	5.3	0	1	0	0.1	1
Turbidity 40 NTU	40	39.7	40	1	40	40.5	1
Turbidity 200 NTU	200	197.4	200	1	200	186	1
Chla	≤0	-4.9	-4.6	1	≤0	-3.1	1
Flr	≤0	-1.2	-1.1	1	≤0	-0.7	1

August 7 to August 21, 2007
15 minute measurements with YSI Sonde 6600: #6
Notebook reference: F14P99
The instrument was deployed in a black PVC housing The SONDE was suspended from the Turlock Sportsman's Club dock on a 3/16 stainless cable and secured with a padlock. It was submerged to about 1-2 feet below the water surface. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	0.442	0	1	0	-0.278	1
Pressure (mmHg)	n/a	762.1	762.1	n/a	n/a	753.7	n/a
DO %	100	91.3	100.3	1	100	104.5	1
DO (mg/L)	8.92	8.17	8.92	1	8.74	9.21	1
DO Charge	25-75	60.4	59.4	1	25-75	53.3	1
Wet towel Temp (degC)	Ambient	20.7	21.09	n/a	Ambient	21.6	n/a
EC Temp (degC)	21.9	21.85	21.86	1	22.5	22.31	1
EC	1.408	1.446	1.408	1	1.408	1.394	1
LCS EC	1.412	n/a	1.355	1	1.412	1.363	1
pH 4.0	4	4.04	4	1	4	4.08	1
pH 7.0	7	6.98	7	1	7	6.99	1
pH 10.0	10	10.06	10.01	1	10	9.97	1
LCS pH 4.01	4.01	n/a	4	1	4.01	4.08	1
LCS pH 7.0	7	n/a	6.97	1	7	6.99	1
LCS pH 10.01	10.01	n/a	9.96	1	10.01	9.92	1
ORP	235.17	235.3	235.2	1	234.58	234.4	1
Turbidity 0 NTU	0	-0.7	0	1	0	0.1	1
Turbidity 40 NTU	40	44.9	40	1	40	40.8	1
Turbidity 200 NTU	200	187.5	199.9	1	200	206.7	1
Chla	≤0	-0.8	-1.7	1	≤0	-1.7	1
Flr	≤0	-0.3	-0.4	1	≤0	-0.4	1

August 21 to September 4, 2007
15 minute measurements with YSI Sonde 6600: #8
Notebook reference: F14P134,139
The instrument was deployed in a black PVC housing The SONDE was suspended from the Turlock Sportsman's Club dock on a 3/16 stainless cable and secured with a padlock. It was submerged to about 1-2 feet below the water surface. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	0.001	0	1	0	-0.176	1
Pressure (mmHg)	n/a	761.7	761.8	n/a	n/a	754.3	n/a
DO %	100	102.4	100.2	1	100	109.4	1
DO (mg/L)	8.44	8.63	8.44	1	9.20	10.15	1
DO Charge	25-75	47.1	47.1	1	25-75	40	1
Wet towel Temp (degC)	Ambient	23.97	23.99	n/a	Ambient	19.01	n/a
EC Temp (degC)	24.4	24.14	24.14	1	20.7	20.76	1
EC	1.408	1.437	1.408	1	1.408	1.346	1
LCS EC	1.412	n/a	1.38	1	1.412	1.34	1
pH 4.0	4	4.04	4	1	4	4.05	1
pH 7.0	7	6.96	7	1	7	7.06	1
pH 10.0	10	10	10	1	10	10.08	1
LCS pH 4.01	4.01	n/a	4.03	1	4.01	4.07	1
LCS pH 7.0	7	n/a	7.02	1	7	7.03	1
LCS pH 10.01	10.01	n/a	9.93	1	10.01	10.05	1
ORP	232.19	n/a	n/a	n/a	236.60	n/a	n/a
Turbidity 0 NTU	0	-0.2	0	1	0	0.2	1
Turbidity 40 NTU	40	39	40	1	40	38.8	1
Turbidity 200 NTU	200	197.2	200.1	1	200	199.8	1
Chla	≤0	-0.1	0.5	1	≤0	0.3	1
Flr	≤0	0	0.2	1	≤0	0.1	1

September 4 to September 18, 2007
15 minute measurements with YSI Sonde 6600: #3
Notebook reference: F15P28,34
The instrument was deployed in a black PVC housing The SONDE was suspended from the Turlock Sportsman's Club dock on a 3/16 stainless cable and secured with a padlock. It was submerged to about 1-2 feet below the water surface. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	-0.19	0	1	0	-0.053	1
Pressure (mmHg)	n/a	758	757.9	n/a	n/a	757.4	n/a
DO %	100	102.7	99.7	1	100	100.1	1
DO (mg/L)	8.54	8.77	8.54	1	8.64	8.67	1
DO Charge	25-75	42	42	1	25-75	40	1
Wet towel Temp (degC)	Ambient	23.09	23.09	n/a	Ambient	22.41	n/a
EC Temp (degC)	24.3	24.06	24.05	1	23.1	22.87	1
EC	1.408	1.391	1.408	1	1.408	1.349	1
LCS EC	1.412	n/a	1.405	1	1.412	1.34	1
pH 4.0	4	3.95	4	1	4	3.88	1
pH 7.0	7	7.06	7	1	7	6.82	1
pH 10.0	10	10.19	10	1	10	9.84	1
LCS pH 4.01	4.01	n/a	3.98	1	4.01	3.9	1
LCS pH 7.0	7	n/a	6.92	1	7	6.85	1
LCS pH 10.01	10.01	n/a	9.88	1	10.01	9.82	1
ORP	232.31	232.9	231.9	1	233.84	235	1
Turbidity 0 NTU	0	-0.3	0	1	0	0.5	1
Turbidity 40 NTU	40	38.5	40	1	40	41.4	1
Turbidity 200 NTU	200	205	200	1	200	184.8	1
Chla	≤0	-0.8	-0.8	1	≤0	0.1	1
Flr	≤0	-0.1	-0.1	1	≤0	0	1

September 18 to October 2, 2007
15 minute measurements with YSI Sonde 6600: #8
Notebook reference: F15P69, 74
The instrument was deployed in a black PVC housing The SONDE was suspended from the Turlock Sportsman's Club dock on a 3/16 stainless cable and secured with a padlock. It was submerged to about 1-2 feet below the water surface. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	0.128	-0.002	1	0	0.084	1
Pressure (mmHg)	n/a	761.3	761.2	n/a	n/a	761	n/a
DO %	100	107.3	100.2	1	100	104.3	1
DO (mg/L)	8.64	9.2	8.64	1	8.92	9.26	1
DO Charge	25-75	48.2	48.2	1	25-75	41	1
Wet towel Temp (degC)	Ambient	22.71	22.72	n/a	Ambient	21.04	n/a
EC Temp (degC)	22.8	22.82	22.85	1	22.8	22.9	1
EC	1.408	1.342	1.408	1	1.408	1.418	1
LCS EC	1.412	n/a	1.402	1	1.412	1.414	1
pH 4.0	4	4.05	4	1	4	3.96	1
pH 7.0	7	7.01	7	1	7	6.96	1
pH 10.0	10	10.02	10	1	10	9.92	1
LCS pH 4.01	4.01	n/a	4.02	1	4.01	3.94	1
LCS pH 7.0	7	n/a	6.99	1	7	6.9	1
LCS pH 10.01	10.01	n/a	9.97	1	10.01	9.9	1
ORP	233.88	n/a	n/a	n/a	233.81	n/a	n/a
Turbidity 0 NTU	0	-0.7	0	1	0	-0.1	1
Turbidity 40 NTU	40	42.6	40	1	40	39.8	1
Turbidity 200 NTU	200	178.7	199.9	1	200	203.4	1
Chla	≤0	0	-0.1	1	≤0	-4.9	1
Flr	≤0	0	0	1	≤0	-1.4	1

DO-10 SJR at Lander Ave.

June 12, 2007 to June 26, 2007
15 minute measurements with YSI Sonde 6600: #6
Notebook Reference: F12p105-113, 141-152
The instrument was deployed in one of our custom 4"PVC pipe housings for added protection. The SONDE plus housing was attached to a stake driven into the river bed. The stake and SONDE plus housing were then padlocked with a 3/16" steel cable to a bracket around the bridge pylon. Upon retrieval of the SONDE, the instrument was found exactly where it was left.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	-0.152	0	1	0	0.171	1
Pressure (mmHg)	n/a	757	757	n/a	n/a	761	n/a
DO %	100	85.5	99.6	1	100	103.6	1
DO (mg/L)	8.93	7.65	8.92	1	8.89	9.2	1
DO Charge	25-75	43.1	43.1	1	25-75	67.6	1
Wet towel Temp (degC)	Ambient	20.72	20.72	n/a	Ambient	21.22	n/a
EC Temp (degC)	21.4	21.6	21.6	1	21.9	22	1
EC	1.408	1.457	1.408	1	1.408	1.357	1
LCS EC	1.412	n/a	1.391	1	1.412	1.356	1
pH 4.0	4	6.16	4	1	4	4.12	1
pH 7.0	7	6.98	7	1	7	7.1	1
pH 10.0	10	10	10	1	10	10.12	1
LCS pH 4.01	4.01	n/a	4.03	1	4.01	4.14	1
LCS pH 7.0	7	n/a	6.94	1	7	6.98	1
LCS pH 10.01	10.01	n/a	10.01	1	10.01	10.07	1
ORP	235.50	244.6	235.5	1	234.98	229.8	1
Turbidity 0 NTU	0	0	0	1	0	0	1
Turbidity 40 NTU	40	46.7	40	1	40	36.7	1
Turbidity 200 NTU	200	192.7	200	1	200	188	1
Chla	≤0	-1.4	-1	1	≤0	-1.1	1
Flr	≤0	-0.3	-0.3	1	≤0	-0.3	1

June 26 to July 10, 2007
15 minute measurements with YSI Sonde 6600: #9
Notebook reference: F12P142,144
The instrument was deployed in a black PVC housing The SONDE was attached to a stake set into the riverbed in the SJR and secured with a cable and padlock. It was submerged to about 1-2 feet below the water surface. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	0.008	0	1	0	0.139	1
Pressure (mmHg)	n/a	761	761	n/a	n/a	761.3	n/a
DO %	100	78.6	100.1	1	100	86.7	1
DO (mg/L)	8.83	6.55	8.83	1	8.99	7.79	1
DO Charge	25-75	51.2	51.2	1	25-75	42	1
Wet towel Temp (degC)	Ambient	22.76	21.59	n/a	Ambient	20.65	n/a
EC Temp (degC)	23.6	23.47	23.54	1	22	22.02	1
EC	1.408	1.41	1.408	1	1.408	1.418	1
LCS EC	1.412	n/a	1.358	1	1.412	1.372	1
pH 4.0	4	4	4	1	4	4.13	1
pH 7.0	7	7.03	7	1	7	7.01	1
pH 10.0	10	10.01	10	1	10	9.99	1
LCS pH 4.01	4.01	n/a	4.05	1	4.01	4.15	1
LCS pH 7.0	7	n/a	6.89	1	7	7.02	1
LCS pH 10.01	10.01	n/a	9.96	1	10.01	10.05	1
ORP	232.98	n/a	n/a	n/a	234.96	n/a	n/a
Turbidity 0 NTU	0	0.5	0	1	0	0.1	1
Turbidity 40 NTU	40	39.5	40	1	40	33.9	1
Turbidity 200 NTU	200	203.8	200	1	200	198.8	1
Chla	≤0	-0.1	-0.1	1	≤0	-0.3	1
Flr	≤0			1	≤0	-0.1	1

July 10 to July 19, 2007
15 minute measurements with YSI Sonde 6600: #10 and #16
Notebook reference: F14P19,22,23,52,59,75
The instrument was deployed in a black PVC housing The SONDE was attached to a stake in the riverbed and 3/16 stainless cable used with a padlock to secure to bridge pillion. It was submerged to about 1-2 feet below the water surface. On July 19 the sonde was swapped out when it was noticed that the DO charge was higher than normal. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	0.05	0	1	0	0.125	1
Pressure (mmHg)	n/a	758.2	758.1	n/a	n/a	759.3	n/a
DO %	100	111.8	99.8	1	100	102	1
DO (mg/L)	9.04	10.14	9.05	1	8.65	8.83	1
DO Charge	25-75	57.4	56.3	1	25-75	72.7	1
Wet towel Temp (degC)	Ambient	20.11	20.13	n/a	Ambient	22.52	n/a
EC Temp (degC)	19.9	20.35	20.35	1	23.2	23.15	1
EC	1.408	1.414	1.407	1	1.408	1.48	1
LCS EC	1.412	n/a	1.354	1	1.412	1.36	1
pH 4.0	4	3.97	4	1	4	4.03	1
pH 7.0	7	6.98	7	1	7	6.9	1
pH 10.0	10	10.05	10.01	1	10	9.98	1
LCS pH 4.01	4.01	n/a	4	1	4.01	4.03	1
LCS pH 7.0	7	n/a	7.01	1	7	6.99	1
LCS pH 10.01	10.01	n/a	9.99	n/a	10.01	9.91	1
ORP	237.13	235.4	237.1	1	233.48	233	1
Turbidity 0 NTU	0	-0.4	0	1	0	0.2	1
Turbidity 40 NTU	40	32	40	1	40	35.8	1
Turbidity 200 NTU	200	224.2	200	1	200	200.9	1
Chla	≤0	-0.2	0	1	≤0	-0.2	1
Flr	≤0	0	0	1	≤0	0	1

July 19 to July 24, 2007
15 minute measurements with YSI Sonde 6600: #10 and #16
Notebook reference: F14P19,22,23,52,59,75
The instrument was deployed in a black PVC housing The SONDE was attached to a stake in the riverbed and 3/16 stainless cable used with a padlock to secure to bridge pillion. It was submerged to about 1-2 feet below the water surface. On July 19 the sonde was swapped out when it was noticed that the DO charge was higher than normal. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	34.499	0	1	0	-0.064	1
Pressure (mmHg)	n/a	760.5	760.5	n/a	n/a	756.8	n/a
DO %	100	97.1	100	1	100	100.3	1
DO (mg/L)	8.66	8.4	8.65	1	8.73	8.79	1
DO Charge	25-75	n/a	n/a	n/a	25-75	n/a	n/a
Wet towel Temp (degC)	Ambient	22.53	22.54	n/a	Ambient	21.88	n/a
EC Temp (degC)	23	23.06	23.03	1	20.9	21.25	1
EC	1.408	4.523	1.408	1	1.408	1.285	1
LCS EC	1.412	n/a	1.291	1	1.412	1.226	1
pH 4.0	4	4.11	4	1	4	4.14	1
pH 7.0	7	6.93	7	1	7	7.02	1
pH 10.0	10	10.15	10.02	1	10	10.03	1
LCS pH 4.01	4.01	n/a	4.06	1	4.01	4.15	1
LCS pH 7.0	7	n/a	6.88	1	7	7.03	1
LCS pH 10.01	10.01	n/a	9.96	1	10.01	10.06	1
ORP	233.64	211.1	233.6	1	235.96	233.8	1
Turbidity 0 NTU	0	6	0	1	0	0.2	1
Turbidity 40 NTU	40	46.4	40	1	40	35.9	1
Turbidity 200 NTU	200	194.1	200	1	200	177.5	1
Chla	≤0	-4.1	-3	1	≤0	-3.6	1
Flr	≤0	-1	-1	1	≤0	-0.8	1

July 24 to August 7, 2007
15 minute measurements with YSI Sonde 6600: #13
Notebook reference: F14P61,112
The instrument was deployed in a black PVC housing The SONDE was attached to a stake in the riverbed and 3/16 stainless cable used with a padlock to secure to bridge pillion. It was submerged to about 1-2 feet below the water surface. On July 19 the sonde was swapped out when it was noticed that the DO charge was higher than normal. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	0.041	0	1	0	0.132	1
Pressure (mmHg)	n/a	759.9	759.9	n/a	n/a	758.7	n/a
DO %	100	97.7	100	1	100	100.7	1
DO (mg/L)	8.49	8.28	8.49	1	8.93	9.01	1
DO Charge	25-75	n/a	n/a	n/a	25-75	n/a	n/a
Wet towel Temp (degC)	Ambient	23.53	23.53	n/a	Ambient	20.82	n/a
EC Temp (degC)	23.6	23.61	23.56	1	21.4	21.52	1
EC	1.408	1.39	1.41	1	1.408	1.442	1
LCS EC	1.412	n/a	1.395	1	1.412	1.395	1
pH 4.0	4	4.01	4	1	4	4.12	1
pH 7.0	7	7.01	7	1	7	7	1
pH 10.0	10	10	10	1	10	9.98	1
LCS pH 4.01	4.01	n/a	4.05	1	4.01	4.07	1
LCS pH 7.0	7	n/a	7.04	1	7	6.97	1
LCS pH 10.01	10.01	n/a	9.95	1	10.01	9.94	1
ORP	232.95	230.4	232.9	1	235.61	234.8	1
Turbidity 0 NTU	0	0.8	0	1	0	0.6	1
Turbidity 40 NTU	40	39.3	40	1	40	43.2	1
Turbidity 200 NTU	200	191.4	200.4	1	200	190.8	1
Chla	≤0	-2.4	-3.5	1	≤0	-3.6	1
Flr	≤0	-0.6	-0.8	1	≤0	-0.9	1

August 7 to August 21, 2007
15 minute measurements with YSI Sonde 6600: #14
Notebook reference: F14P100
The instrument was deployed in a black PVC housing. The SONDE was attached to a stake in the riverbed and 3/16 stainless cable used with a padlock to secure to bridge pillion. It was submerged to about 1-2 feet below the water surface. On July 19 the sonde was swapped out when it was noticed that the DO charge was higher than normal. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	0.011	0	1	0	-0.322	1
Pressure (mmHg)	n/a	761.4	761.4	n/a	n/a	753.3	n/a
DO %	100	103.9	100.2	1	100	100.6	1
DO (mg/L)	8.89	9.23	8.9	1	8.77	8.9	1
DO Charge	25-75	n/a	n/a	n/a	25-75	n/a	n/a
Wet towel Temp (degC)	Ambient	21.23	21.23	n/a	Ambient	21.39	n/a
EC Temp (degC)	20.9	21.27	21.27	1	22.4	22.2	1
EC	1.408	1.456	1.408	1	1.408	1.329	1
LCS EC	1.412	n/a	1.316	1	1.412	1.295	1
pH 4.0	4	4.1	4	1	4	4.14	1
pH 7.0	7	7.01	7	1	7	7.03	1
pH 10.0	10	10.03	10.01	1	10	10.04	1
LCS pH 4.01	4.01	n/a	4	1	4.01	4.1	1
LCS pH 7.0	7	n/a	6.98	1	7	7.05	1
LCS pH 10.01	10.01	n/a	9.95	1	10.01	10	1
ORP	235.93	233.5	235.9	1	234.72	232	1
Turbidity 0 NTU	0	0.4	0	1	0	1	1
Turbidity 40 NTU	40	44.9	40	1	40	42.5	1
Turbidity 200 NTU	200	191.5	200.1	1	200	202.7	1
Chla	≤0	-4	-3.7	1	≤0	-3.3	1
Flr	≤0	-0.8	-0.8	1	≤0	-0.8	1

August 21 to September 4, 2007
15 minute measurements with YSI Sonde 6600: #10
Notebook reference: F14P135,139
The instrument was deployed in a black PVC housing. The SONDE was attached to a stake in the riverbed and 3/16 stainless cable used with a padlock to secure to bridge pillion. It was submerged to about 1-2 feet below the water surface. On July 19 the sonde was swapped out when it was noticed that the DO charge was higher than normal. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	0.356	0	1	0	-0.238	1
Pressure (mmHg)	n/a	761.7	761.7	n/a	n/a	755.7	n/a
DO %	100	105.1	100.2	1	100	109	1
DO (mg/L)	8.47	8.91	8.46	1	9.18	10.04	1
DO Charge	25-75	56.3	56.3	1	25-75	100.2	0
Wet towel Temp (degC)	Ambient	23.79	23.81	n/a	Ambient	19.24	n/a
EC Temp (degC)	24.5	24.3	24.3	1	21	21.39	1
EC	1.408	1.426	1.409	1	1.408	1.355	1
LCS EC	1.412	n/a	1.381	1	1.412	1.365	1
pH 4.0	4	4.01	4	1	4	4.04	1
pH 7.0	7	6.94	7	1	7	7.03	1
pH 10.0	10	10.01	10	1	10	10.01	1
LCS pH 4.01	4.01	n/a	3.99	1	4.01	3.98	1
LCS pH 7.0	7	n/a	6.96	1	7	7.01	1
LCS pH 10.01	10.01	n/a	9.92	1	10.01	9.98	1
ORP	231.98	n/a	n/a	n/a	235.78	237.6	1
Turbidity 0 NTU	0	-0.1	0	1	0	0.8	1
Turbidity 40 NTU	40	38.9	40	1	40	39.3	1
Turbidity 200 NTU	200	199.5	200	1	200	206.8	1
Chla	≤0	1.3	0.3	1	≤0	0	1
Flr	≤0	0.3	0.1	1	≤0	0	1

September 4 to September 18, 2007
15 minute measurements with YSI Sonde 6600: #15
Notebook reference: F15P29,34
The instrument was deployed in a black PVC housing. The SONDE was attached to a stake in the riverbed and 3/16 stainless cable used with a padlock to secure to bridge pillion. It was submerged to about 1-2 feet below the water surface. On July 19 the sonde was swapped out when it was noticed that the DO charge was higher than normal. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged. There was a fish living in the housing at pickup.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	-0.135	0	1	0	-0.082	1
Pressure (mmHg)	n/a	757.6	757.6	n/a	n/a	756.6	n/a
DO %	100	100.8	99.6	1	100	99.5	1
DO (mg/L)	8.55	8.64	8.56	1	8.73	8.74	1
DO Charge	25-75	n/a	n/a	n/a	25-75	n/a	n/a
Wet towel Temp (degC)	Ambient	23	23	n/a	Ambient	21.82	n/a
EC Temp (degC)	24	23.83	23.83	1	22.4	22.5	1
EC	1.408	1.35	1.408	1	1.408	1.362	1
LCS EC	1.412	n/a	1.417	1	1.412	1.382	1
pH 4.0	4	4	4	1	4	4.01	1
pH 7.0	7	7.01	7	1	7	7.03	1
pH 10.0	10	10.02	10	1	10	10.02	1
LCS pH 4.01	4.01	n/a	4	1	4.01	4	1
LCS pH 7.0	7	n/a	7	1	7	6.99	1
LCS pH 10.01	10.01	n/a	10.01	1	10.01	10.01	1
ORP	232.60	230	231.9	1	234.33	231.8	1
Turbidity 0 NTU	0	-0.1	0	1	0	0.3	1
Turbidity 40 NTU	40	43.7	40	1	40	39.9	1
Turbidity 200 NTU	200	196.2	200	1	200	179.3	1
Chla	≤0	-2.5	-2.5	1	≤0	-3.3	1
Flr	≤0	-0.6	-0.6	1	≤0	-0.8	1

September 18 to October 2, 2007
15 minute measurements with YSI Sonde 6600: #16
Notebook reference: F15P70, 74
The instrument was deployed in a black PVC housing. The SONDE was attached to a stake in the riverbed and 3/16 stainless cable used with a padlock to secure to bridge pillion. It was submerged to about 1-2 feet below the water surface. On July 19 the sonde was swapped out when it was noticed that the DO charge was higher than normal. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	0.324	0	1	0	0.028	1
Pressure (mmHg)	n/a	760	760	n/a	n/a	759.8	n/a
DO %	100	101.5	100	1	100	99.5	1
DO (mg/L)	8.59	8.72	8.6	1	8.84	8.8	1
DO Charge	25-75	n/a	n/a	n/a	25-75	n/a	n/a
Wet towel Temp (degC)	Ambient	22.92	22.92	n/a	Ambient	21.42	n/a
EC Temp (degC)	22.9	22.8	22.81	1	22.5	22.78	1
EC	1.408	1.366	1.408	1	1.408	1.419	1
LCS EC	1.412	n/a	1.404	1	1.412	1.392	1
pH 4.0	4	4.06	4	1	4	4.02	1
pH 7.0	7	6.99	7	1	7	6.98	1
pH 10.0	10	10	10	1	10	10.02	1
LCS pH 4.01	4.01	n/a	4	1	4.01	4.02	1
LCS pH 7.0	7	n/a	6.99	1	7	6.97	1
LCS pH 10.01	10.01	n/a	10.01	1	10.01	10.04	1
ORP	233.93	232.8	233.9	1	233.97	232	1
Turbidity 0 NTU	0	-0.1	0	1	0	0	1
Turbidity 40 NTU	40	42.8	40	1	40	39.4	1
Turbidity 200 NTU	200	181.3	200	1	200	198.5	1
Chla	≤0	-0.8	0	1	≤0	-3.3	1
Flr	≤0	-0.2	0	1	≤0	-0.8	1

MudSlough near Gustine DO-18

June 26 to July 12, 2007
15 minute measurements with YSI Sonde 6600: #13
Notebook reference: F12P141,144
The instrument was deployed in a black PVC housing. The SONDE was attached to the bridge over Mud Slough at the USGS monitoring site in SLNWR and secured with a cable and padlock. It was submerged to about 1-2 feet below the water surface. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	34.096	0	1	0	0.157	1
Pressure (mmHg)	n/a	761.3	761.3	n/a	n/a	761.8	n/a
DO %	100	97.5	100.2	1	100	99.9	1
DO (mg/L)	8.67	8.44	8.64	1	8.83	8.82	1
DO Charge	25-75	n/a	n/a	n/a	25-75	n/a	n/a
Wet towel Temp (degC)	Ambient	22.48	22.55	n/a	Ambient	21.61	n/a
EC Temp (degC)	23.5	23.93	23.9	1	22	22.09	1
EC	1.408	1.415	1.408	1	1.408	1.408	1
LCS EC	1.412	n/a	1.403	1	1.412	1.388	1
pH 4.0	4	4.07	4	1	4	4.05	1
pH 7.0	7	7.04	7	1	7	6.97	1
pH 10.0	10	10.01	10	1	10	9.98	1
LCS pH 4.01	4.01	n/a	4.07	1	4.01	4.03	1
LCS pH 7.0	7	n/a	6.91	1	7	7	1
LCS pH 10.01	10.01	n/a	9.96	1	10.01	10	1
ORP	232.51	208.9	232.5	1	234.87	234.4	1
Turbidity 0 NTU	0	5.4	0	1	0	1.2	1
Turbidity 40 NTU	40	44.2	40	1	40	34	1
Turbidity 200 NTU	200	195.2	200	1	200	194.1	1
Chla	≤0	-3	-2.9	1	≤0	-3.6	1
Flr	≤0	-0.6	-0.8	1	≤0	-0.9	1

July 12 to July 24, 2007
15 minute measurements with YSI Sonde 6600: #15
Notebook reference: F14P33-35,74
The instrument was deployed in a black PVC housing. The SONDE was suspended from bridge and a 3/16 stainless cable used with a padlock to secure to bridge railing. It was submerged to about 1-2 feet below the water surface. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	34.14	0	1	0	-0.194	1
Pressure (mmHg)	n/a	761.2	761.2	n/a	n/a	756.9	n/a
DO %	100	96.3	100.2	1	100	98.1	1
DO (mg/L)	8.75	8.41	8.75	1	8.76	8.63	1
DO Charge	25-75	n/a	n/a	n/a	25-75	n/a	n/a
Wet towel Temp (degC)	Ambient	22.07	22.07	n/a	Ambient	21.68	n/a
EC Temp (degC)	21.7	22.06	22.05	1	20.8	21.21	1
EC	1.408	1.445	1.408	1	1.408	1.348	1
LCS EC	1.412	n/a	1.351	1	1.412	1.333	1
pH 4.0	4	4.08	4	1	4	4.15	1
pH 7.0	7	6.95	7	1	7	7.06	1
pH 10.0	10	10.09	10.02	1	10	10.09	1
LCS pH 4.01	4.01	n/a	4.05	1	4.01	4.15	1
LCS pH 7.0	7	n/a	7	1	7	7.12	1
LCS pH 10.01	10.01	n/a	9.99	1	10.01	10.1	1
ORP	234.92	213.4	234.9	1	236.01	233.6	1
Turbidity 0 NTU	0	3.4	0	1	0	-0.1	1
Turbidity 40 NTU	40	35.1	40	1	40	43.1	1
Turbidity 200 NTU	200	288.9	199.9	1	200	179.1	1
Chla	≤0	-3.4	-3.6	1	≤0	-2.6	1
Flr	≤0	-0.8	-0.8	1	≤0	-0.7	1

July 24 to August 7, 2007
15 minute measurements with YSI Sonde 6600: #11
Notebook reference: F14P62,112
The instrument was deployed in a black PVC housing. The SONDE was suspended from bridge and a 3/16 stainless cable used with a padlock to secure to bridge railing. It was submerged to about 1-2 feet below the water surface. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	0.051	0	1	0	0.125	1
Pressure (mmHg)	n/a	759.5	759.5	n/a	n/a	758.6	n/a
DO %	100	111	99.9	1	100	101.9	1
DO (mg/L)	8.59	9.56	8.56	1	8.93	9.11	1
DO Charge	25-75	64.5	63.5	1	25-75	61.4	1
Wet towel Temp (degC)	Ambient	22.84	22.89	n/a	Ambient	20.84	n/a
EC Temp (degC)	23.3	23.1	23.03	1	21.5	21.41	1
EC	1.408	1.4	1.408	1	1.408	1.42	1
LCS EC	1.412	n/a	1.405	1	1.412	1.389	1
pH 4.0	4	4.06	4	1	4	4.08	1
pH 7.0	7	6.98	7	1	7	6.96	1
pH 10.0	10	9.98	10	1	10	9.96	1
LCS pH 4.01	4.01	n/a	3.99	1	4.01	4.07	1
LCS pH 7.0	7	n/a	6.96	1	7	6.92	1
LCS pH 10.01	10.01	n/a	9.94	1	10.01	9.94	1
ORP	233.64	233.3	233.6	1	235.75	233.7	1
Turbidity 0 NTU	0	0.2	0	1	0	-0.3	1
Turbidity 40 NTU	40	40.8	40.1	1	40	38.7	1
Turbidity 200 NTU	200	192.2	200	1	200	192.5	1
Chla	≤0	-2.5	-2.9	1	≤0	-2.2	1
Flr	≤0	-0.4	-0.7	1	≤0	-0.5	1

August 7 to August 21, 2007
15 minute measurements with YSI Sonde 6600: #4
Notebook reference: F14P98
The instrument was deployed in a black PVC housing. The SONDE was suspended from bridge and a 3/16 stainless cable used with a padlock to secure to bridge railing. It was submerged to about 1-2 feet below the water surface. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	0.25	0	1	0	-0.302	1
Pressure (mmHg)	n/a	762.1	762.1	n/a	n/a	753.7	n/a
DO %	100	95.8	100.3	1	100	107.4	1
DO (mg/L)	8.80	8.38	8.8	1	8.74	9.43	1
DO Charge	25-75	43.1	42	1	25-75	35.9	1
Wet towel Temp (degC)	Ambient	21.81	21.81	n/a	Ambient	21.6	n/a
EC Temp (degC)	21.9	21.98	21.97	1	22.4	22.22	1
EC	1.408	1.38	1.408	1	1.408	1.392	1
LCS EC	1.412	n/a	1.357	1	1.412	1.362	1
pH 4.0	4	3.96	4	1	4	4.09	1
pH 7.0	7	6.97	7	1	7	7.01	1
pH 10.0	10	10.07	10.01	1	10	9.99	1
LCS pH 4.01	4.01	n/a	4	1	4.01	4.08	1
LCS pH 7.0	7	n/a	6.97	1	7	7.01	1
LCS pH 10.01	10.01	n/a	9.96	1	10.01	9.93	1
ORP	235.02	233.2	235	1	234.70	232.8	1
Turbidity 0 NTU	0	0.3	0	1	0	0.1	1
Turbidity 40 NTU	40	45.7	40	1	40	39.4	1
Turbidity 200 NTU	200	193.3	199.6	1	200	197.1	1
Chla	≤0	-0.5	-0.8	1	≤0	-1	1
Flr	≤0	-0.1	-0.2	1	≤0	-0.2	1

August 21 to September 4, 2007
15 minute measurements with YSI Sonde 6600: #13
Notebook reference: F14P136,138
The instrument was deployed in a black PVC housing. The SONDE was suspended from bridge and a 3/16 stainless cable used with a padlock to secure to bridge railing. It was submerged to about 1-2 feet below the water surface. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	0.22	0	1	0	-0.114	1
Pressure (mmHg)	n/a	760.9	760.9	n/a	n/a	755.9	n/a
DO %	100	98.5	100.1	1	100	100.9	1
DO (mg/L)	8.44	8.29	8.46	1	9.13	9.26	1
DO Charge	25-75	n/a	n/a	n/a	25-75	n/a	n/a
Wet towel Temp (degC)	Ambient	23.91	23.91	n/a	Ambient	19.52	n/a
EC Temp (degC)	25	n/a	n/a	n/a	21.5	21.45	1
EC	1.408	1.452	1.408	1	1.408	1.356	1
LCS EC	1.412	n/a	1.377	1	1.412	1.367	1
pH 4.0	4	4.11	4	1	4	4.13	1
pH 7.0	7	6.95	7	1	7	6.97	1
pH 10.0	10	10.02	10	1	10	10.08	1
LCS pH 4.01	4.01	n/a	4	1	4.01	3.97	1
LCS pH 7.0	7	n/a	6.98	1	7	7.02	1
LCS pH 10.01	10.01	n/a	9.94	1	10.01	10.01	1
ORP	n/a	n/a	n/a	n/a	235.70	233.8	1
Turbidity 0 NTU	0	0.7	0	1	0	-0.5	1
Turbidity 40 NTU	40	42.6	40	1	40	38.4	1
Turbidity 200 NTU	200	194.6	200	1	200	206.3	1
Chla	≤0	-2.2	0.1	1	≤0	0.1	1
Flr	≤0	-0.7	0	1	≤0	0	1

September 4 to September 18, 2007
15 minute measurements with YSI Sonde 6600: #4
Notebook reference: F15P30,33
The instrument was deployed in a black PVC housing. The SONDE was suspended from bridge and a 3/16 stainless cable used with a padlock to secure to bridge railing. It was submerged to about 1-2 feet below the water surface. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	-0.141	0	1	0	-0.072	1
Pressure (mmHg)	n/a	757.2	757.2	n/a	n/a	756.7	n/a
DO %	100	85.5	99.6	1	100	96.5	1
DO (mg/L)	8.62	7.4	8.63	1	8.80	8.55	1
DO Charge	25-75	38	38	1	25-75	38	1
Wet towel Temp (degC)	Ambient	22.51	22.52	n/a	Ambient	21.43	n/a
EC Temp (degC)	23.8	23.69	23.69	1	22.2	22.25	1
EC	1.408	1.38	1.408	1	1.408	1.358	1
LCS EC	1.412	n/a	1.409	1	1.412	1.356	1
pH 4.0	4	4.02	4	1	4	4.07	1
pH 7.0	7	6.95	7	1	7	7	1
pH 10.0	10	10.04	10	1	10	10.02	1
LCS pH 4.01	4.01	n/a	4.03	1	4.01	4.07	1
LCS pH 7.0	7	n/a	7.01	1	7	6.98	1
LCS pH 10.01	10.01	n/a	9.96	1	10.01	9.99	1
ORP	232.78	232.9	231.9	1	234.66	231.6	1
Turbidity 0 NTU	0	-1.3	0	1	0	0.2	1
Turbidity 40 NTU	40	40.9	40	1	40	40.9	1
Turbidity 200 NTU	200	202	200	1	200	180.9	1
Chla	≤0	-0.6	-0.6	1	≤0	-1.8	1
Flr	≤0	-0.1	-0.1	1	≤0	-0.4	1

September 18 to October 2, 2007
15 minute measurements with YSI Sonde 6600: #5
Notebook reference: F15P68, 73
The instrument was deployed in a black PVC housing. The SONDE was suspended from bridge and a 3/16 stainless cable used with a padlock to secure to bridge railing. It was submerged to about 1-2 feet below the water surface. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	0.14	-0.001	1	0	0.086	1
Pressure (mmHg)	n/a	761.4	761.4	n/a	n/a	761.2	n/a
DO %	100	106.7	100.2	1	100	102.2	1
DO (mg/L)	8.65	9.21	8.65	1	8.72	8.89	1
DO Charge	25-75	65.5	65.5	1	25-75	51.2	1
Wet towel Temp (degC)	Ambient	22.65	22.65	n/a	Ambient	22.23	n/a
EC Temp (degC)	22.8	22.85	22.85	1	23.5	23.5	1
EC	1.408	1.374	1.408	1	1.408	1.419	1
LCS EC	1.412	n/a	1.414	1	1.412	1.395	1
pH 4.0	4	3.97	4	1	4	4.06	1
pH 7.0	7	7.01	7	1	7	7.01	1
pH 10.0	10	10.04	10.01	1	10	10.03	1
LCS pH 4.01	4.01	n/a	4	1	4.01	4.05	1
LCS pH 7.0	7	n/a	7	1	7	6.99	1
LCS pH 10.01	10.01	n/a	9.99	1	10.01	9.99	1
ORP	233.88	233.8	233.9	1	233.03	232.4	1
Turbidity 0 NTU	0	1.4	0	1	0	-1.5	1
Turbidity 40 NTU	40	39.9	40	1	40	39.6	1
Turbidity 200 NTU	200	189.4	200	1	200	200.8	1
Chla	≤0	-0.3	0	1	≤0	0	1
Flr	≤0	-0.1	0	1	≤0	0	1

DO-19 Salt slough at Lander Ave.

June 12, 2007 to June 26, 2007
Notebook Reference: F12P106,109,112,150
15 minute measurements with YSI Sonde 6600: #3
The instrument was deployed in one of our custom 4"PVC pipe housings for added protection. The SONDE plus housing was attached with a 3/16" steel cable and padlocked at arms length under the water surface to stakes which had previously been secured into the stream bed to support the existing USGS monitoring station sensor. Upon retrieval of the SONDE, the instrument was found exactly where it was left.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	-0.155	0	1	0	0.198	1
Pressure (mmHg)	n/a	757.3	757.2	n/a	n/a	761.7	n/a
DO %	100	87.1	99.6	1	100	105.1	1
DO (mg/L)	8.94	7.79	8.95	1	8.94	9.38	1
DO Charge	25-75	54.3	53.3	1	25-75	43.1	1
Wet towel Temp (degC)	Ambient	20.59	20.64	n/a	Ambient	20.97	n/a
EC Temp (degC)	22	21.75	21.75	1	22.4	22.15	1
EC	1.408	1.442	1.408	1	1.408	1.367	1
LCS EC	1.412	n/a	1.372	1	1.412	1.343	1
pH 4.0	4	4.09	4	1	4	4.05	1
pH 7.0	7	6.96	7	1	7	6.91	1
pH 10.0	10	10.05	10.01	1	10	10	1
LCS pH 4.01	4.01	n/a	4.04	1	4.01	4.05	1
LCS pH 7.0	7	n/a	6.88	1	7	6.85	1
LCS pH 10.01	10.01	n/a	10.04	1	10.01	10.01	1
ORP	235.31	233.9	235.3	1	234.79	229.2	1
Turbidity 0 NTU	0	-0.4	0	1	0	0.4	1
Turbidity 40 NTU	40	41.5	40	1	40	40.2	1
Turbidity 200 NTU	200	207.8	199.6	1	200	193.5	1
Chla	≤0	-1.6	-1.8	1	≤0	-1.4	1
Flr	≤0	-0.3	-0.5	1	≤0	-0.4	1

June 26 to July 10, 2007
15 minute measurements with YSI Sonde 6600: #11
Notebook reference: F12P142,144
The instrument was deployed in a black PVC housing. The SONDE was attached to the stake in the riverbed at the USGS monitoring site and secured with a cable and padlock. It was submerged to about 1-2 feet below the water surface. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	0.222	0	1	0	0.115	1
Pressure (mmHg)	n/a	761	761	n/a	n/a	761.2	n/a
DO %	100	98.6	100.1	1	100	103.3	1
DO (mg/L)	8.68	8.54	8.68	1	8.86	9.13	1
DO Charge	25-75	52.3	51.2	1	25-75	54.3	1
Wet towel Temp (degC)	Ambient	22.41	22.46	n/a	Ambient	21.41	n/a
EC Temp (degC)	22.5	23.02	23.01	1	21.9	22.14	1
EC	1.408	1.377	1.408	1	1.408	1.422	1
LCS EC	1.412	n/a	1.382	1	1.412	1.404	1
pH 4.0	4	3.96	4	1	4	4.11	1
pH 7.0	7	7.01	7	1	7	7.06	1
pH 10.0	10	10.04	10.01	1	10	10.02	1
LCS pH 4.01	4.01	n/a	4.03	1	4.01	4.13	1
LCS pH 7.0	7	n/a	6.87	1	7	7.02	1
LCS pH 10.01	10.01	n/a	9.95	1	10.01	9.96	1
ORP	233.67	231	233.7	1	234.80	233.5	1
Turbidity 0 NTU	0	-1	0	1	0	-0.3	1
Turbidity 40 NTU	40	36.8	39.9	1	40	34.9	1
Turbidity 200 NTU	200	203.9	200.2	1	200	203.9	1
Chla	≤0	-1.5	-2.2	1	≤0	-1.3	1
Flr	≤0	-0.3	-0.5	1	≤0	-0.3	1

July 10 to July 24, 2007
15 minute measurements with YSI Sonde 6600: #4
Notebook reference: F14P21-23,72
The instrument was deployed in a black PVC housing. The SONDE was attached to a stake in the riverbed near the USGS monitoring site and secured with a cable and padlock. It was submerged to about 1-2 feet below the water surface. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	0.017	0	1	0	0.047	1
Pressure (mmHg)	n/a	757.6	757.6	n/a	n/a	757.4	n/a
DO %	100	112.5	99.7	1	100	99	1
DO (mg/L)	8.87	10.02	8.87	1	8.90	8.84	1
DO Charge	25-75	40	40	1	25-75	38	1
Wet towel Temp (degC)	Ambient	21.07	21.08	n/a	Ambient	20.91	n/a
EC Temp (degC)	21	21.15	21.15	1	20.6	21	1
EC	1.408	1.424	1.408	1	1.408	1.332	1
LCS EC	1.412	n/a	1.31	1	1.412	1.293	1
pH 4.0	4	4.08	4	1	4	3.93	1
pH 7.0	7	6.98	7	1	7	6.89	1
pH 10.0	10	10.02	10	1	10	9.89	1
LCS pH 4.01	4.01	n/a	4.08	1	4.01	3.95	1
LCS pH 7.0	7	n/a	6.98	1	7	6.89	1
LCS pH 10.01	10.01	n/a	9.97	1	10.01	9.85	1
ORP	236.09	234.5	236.1	1	236.29	235.2	1
Turbidity 0 NTU	0	-0.2	0	1	0	-0.6	1
Turbidity 40 NTU	40	32.9	40	1	40	45.6	1
Turbidity 200 NTU	200	218.4	200	1	200	199.5	1
Chla	≤0	-1.8	-1.1	1	≤0	-0.2	1
Flr	≤0	-0.2	-0.2	1	≤0	-0.1	1

July 24 to August 7, 2007
15 minute measurements with YSI Sonde 6600: #10
Notebook reference: F14P62,111
The instrument was deployed in a black PVC housing. The SONDE was attached to a stake in the riverbed near the USGS monitoring site and secured with a cable and padlock. It was submerged to about 1-2 feet below the water surface. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	0.102	0	1	0	0.137	1
Pressure (mmHg)	n/a	759.1	759	n/a	n/a	759	n/a
DO %	100	91.8	99.9	1	100	102.2	1
DO (mg/L)	8.78	8.1	8.79	1	9.05	9.26	1
DO Charge	25-75	46.1	46.1	1	25-75	45.1	1
Wet towel Temp (degC)	Ambient	21.55	21.68	n/a	Ambient	20.17	n/a
EC Temp (degC)	22.9	22.79	22.8	1	21.5	21.51	1
EC	1.408	1.386	1.408	1	1.408	1.45	1
LCS EC	1.412	n/a	1.379	1	1.412	1.363	1
pH 4.0	4	3.95	4	1	4	3.99	1
pH 7.0	7	7.02	7	1	7	6.91	1
pH 10.0	10	10.02	10.01	1	10	9.92	1
LCS pH 4.01	4.01	n/a	4	1	4.01	3.97	1
LCS pH 7.0	7	n/a	6.99	1	7	6.85	1
LCS pH 10.01	10.01	n/a	9.94	1	10.01	9.87	1
ORP	233.94	231.6	233.9	1	235.62	236.4	1
Turbidity 0 NTU	0	-0.3	0	1	0	0.5	1
Turbidity 40 NTU	40	46	40	1	40	42.5	1
Turbidity 200 NTU	200	188.6	200	1	200	187.3	1
Chla	≤0	-0.7	-0.6	1	≤0	0	1
Flr	≤0	-0.2	-0.1	1	≤0	0	1

August 7 to August 21, 2007
15 minute measurements with YSI Sonde 6600: #12
Notebook reference: F14P99
The instrument was deployed in a black PVC housing. The SONDE was attached to a stake in the riverbed near the USGS monitoring site and secured with a cable and padlock. It was submerged to about 1-2 feet below the water surface. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	0.226	0	1	0	-0.322	1
Pressure (mmHg)	n/a	761.7	761.7	n/a	n/a	753.3	n/a
DO %	100	99.7	100.1	1	100	100	1
DO (mg/L)	8.91	8.86	8.9	1	8.81	8.89	1
DO Charge	25-75	n/a	n/a	n/a	25-75	n/a	n/a
Wet towel Temp (degC)	Ambient	21.13	21.13	n/a	Ambient	21.16	n/a
EC Temp (degC)	21.3	21.38	21.38	1	22.4	22.14	1
EC	1.408	1.43	1.408	1	1.408	1.39	1
LCS EC	1.412	n/a	1.368	1	1.412	1.354	1
pH 4.0	4	4.09	4	1	4	4.16	1
pH 7.0	7	7	7	1	7	7.02	1
pH 10.0	10	10	10	1	10	10.01	1
LCS pH 4.01	4.01	n/a	4.04	1	4.01	4.15	1
LCS pH 7.0	7	n/a	6.93	1	7	7.05	1
LCS pH 10.01	10.01	n/a	9.95	1	10.01	9.99	1
ORP	235.79	231.6	235.8	1	234.80	232.1	1
Turbidity 0 NTU	0	0.1	0	1	0	0.5	1
Turbidity 40 NTU	40	46.5	40	1	40	41.3	1
Turbidity 200 NTU	200	189.4	200	1	200	200	1
Chla	≤0	-2.6	-2.9	1	≤0	-2.7	1
Flr	≤0	-0.6	-0.6	1	≤0	-0.7	1

August 21 to September 4, 2007
15 minute measurements with YSI Sonde 6600: #5
Notebook reference: F14P133,138
The instrument was deployed in a black PVC housing. The SONDE was attached to a take in the riverbed near the USGS monitoring site and secured with a cable and padlock. It was submerged to about 1-2 feet below the water surface. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	0.192	0	1	0	-0.195	1
Pressure (mmHg)	n/a	761.7	761.7	n/a	n/a	753.7	n/a
DO %	100	106.6	100.2	1	100	105.3	1
DO (mg/L)	8.46	8.98	8.46	1	8.89	n/a	1
DO Charge	25-75	47.1	47.1	1	25-75	n/a	1
Wet towel Temp (degC)	Ambient	23.82	23.85	n/a	Ambient	20.66	n/a
EC Temp (degC)	24.4	24.11	24.45	1	20.7	20.66	1
EC	1.408	1.392	1.408	1	1.408	1.376	1
LCS EC	1.412	n/a	1.4	1	1.412	1.349	1
pH 4.0	4	4.04	4	1	4	3.95	1
pH 7.0	7	6.96	7	1	7	6.96	1
pH 10.0	10	10.04	10.01	1	10	10.03	1
LCS pH 4.01	4.01	n/a	4.01	1	4.01	3.98	1
LCS pH 7.0	7	n/a	6.99	1	7	6.97	1
LCS pH 10.01	10.01	n/a	9.94	1	10.01	10.02	1
ORP	231.79	229.4	231.8	1	236.72	238.1	1
Turbidity 0 NTU	0	0.5	0	1	0	-0.2	1
Turbidity 40 NTU	40	38.1	39.9	1	40	38.1	1
Turbidity 200 NTU	200	169.9	199.9	1	200	196.9	1
Chla	≤0	0.2	-0.5	1	≤0	-0.5	1
Flr	≤0	0	-0.1	1	≤0	0	1

September 4 to September 18, 2007
15 minute measurements with YSI Sonde 6600: #6
Notebook reference: F15P31,33
The instrument was deployed in a black PVC housing. The SONDE was attached to a stake in the riverbed near the USGS monitoring site and secured with a cable and padlock. It was submerged to about 1-2 feet below the water surface. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	0.057	0	1	0	-0.277	0
Pressure (mmHg)	n/a	757	757	n/a	n/a	756.5	n/a
DO %	100	100.6	99.6	1	100	99.7	1
DO (mg/L)	8.63	8.72	8.64	1	8.75	8.81	1
DO Charge	25-75	57.4	58.4	1	25-75	72.7	1
Wet towel Temp (degC)	Ambient	22.43	22.44	n/a	Ambient	21.72	n/a
EC Temp (degC)	23.4	24.4	24.4	1	22.5	22.5	1
EC	1.408	1.377	1.408	1	1.408	1.344	1
LCS EC	1.412	n/a	1.409	1	1.412	1.341	1
pH 4.0	4	4.09	4	1	4	4.02	1
pH 7.0	7	6.97	7	1	7	6.93	1
pH 10.0	10	10.04	10	1	10	9.92	1
LCS pH 4.01	4.01	n/a	4	1	4.01	4	1
LCS pH 7.0	7	n/a	7	1	7	6.91	1
LCS pH 10.01	10.01	n/a	10	1	10.01	9.92	1
ORP	231.85	230.5	231.9	1	234.33	232.9	1
Turbidity 0 NTU	0	-0.5	0	1	0	0.4	1
Turbidity 40 NTU	40	40.2	40	1	40	41	1
Turbidity 200 NTU	200	202.8	200	1	200	183	1
Chla	≤0	0	0	1	≤0	-1.3	1
Flr	≤0	0	0	1	≤0	-0.4	1

September 18 to October 2, 2007
15 minute measurements with YSI Sonde 6600: #11
Notebook reference: F15P70, 73
The instrument was deployed in a black PVC housing. The SONDE was attached to a stake in the riverbed near the USGS monitoring site and secured with a cable and padlock. It was submerged to about 1-2 feet below the water surface. Upon retrieval of the SONDE, the instrument was found exactly where it was left, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	0.095	0	1	0	0	1
Pressure (mmHg)	n/a	760.9	761	n/a	n/a	759.9	n/a
DO %	100	95.1	100.1	1	100	107.3	1
DO (mg/L)	8.63	8.2	8.63	1	8.74	9.37	1
DO Charge	25-75	41	41	1	25-75	33.9	1
Wet towel Temp (degC)	Ambient	22.74	22.75	n/a	Ambient	22	n/a
EC Temp (degC)	22.7	22.75	22.73	1	22.5	22.88	1
EC	1.408	1.335	1.408	1	1.408	1.418	1
LCS EC	1.412	n/a	1.397	1	1.412	1.401	1
pH 4.0	4	4.02	4	1	4	4.02	1
pH 7.0	7	6.99	7	1	7	7	1
pH 10.0	10	10.02	10	1	10	10	1
LCS pH 4.01	4.01	n/a	4.01	1	4.01	4.03	1
LCS pH 7.0	7	n/a	6.96	1	7	6.95	1
LCS pH 10.01	10.01	n/a	9.96	1	10.01	9.97	1
ORP	234.03	233.5	234	1	233.84	232.1	1
Turbidity 0 NTU	0	0.1	0	1	0	0	1
Turbidity 40 NTU	40	41.7	40.1	1	40	41.2	1
Turbidity 200 NTU	200	177.9	200.4	1	200	209.4	1
Chla	≤0	1.1	0	1	≤0	-2.8	1
Flr	≤0	0.2	0	1	≤0	-0.8	1

DO-44 San Luis Drain End

June 12, 2007 to June 26, 2007
15 minute measurements with YSI Sonde 6600: #12
Notebook reference: F12P146,152
The instrument was deployed in a black PVC housing. The SONDE was attached to the platform above the weir structure and the end of the drain and secured with a cable and padlock. It was submerged to about 1-2 feet below the water surface. At 2pm on June 16 the sonde was swept over the weir and dangled in the spill until discovered at 9:30 on June 21. Data during this period is meaningless, data was removed for purpose of graphing and statistics. Upon retrieval of the SONDE, the instrument was found exactly where it was left on the 21st, with the instrument still submerged.

QA/QC	Standard Value Pre Deploy	Pre-Calibration Reading	Post-Calibration Reading	Pass/Fail (+/- 20%) 1=pass 0=fail	Standard Value Post Deploy	Post-Deploy Reading	Pass/Fail (+/- 20%) 1=pass 0=fail
Depth (ft)	0	33.905	0	1	0	0.191	1
Pressure (mmHg)	n/a	756.9	756.7	n/a	n/a	760.8	n/a
DO %	100	92.6	99.5	1	100	95.9	1
DO (mg/L)	8.74	8.15	8.74	1	8.91	8.53	1
DO Charge	25-75	n/a	n/a	n/a	25-75	n/a	n/a
Wet towel Temp (degC)	Ambient	21.68	21.76	n/a	Ambient	21.08	n/a
EC Temp (degC)	22.1	22.08	22.08	1	21.8	22.23	1
EC	1.408	1.464	1.408	1	1.408	1.326	1
LCS EC	1.412	n/a	1.408	1	1.412	1.329	1
pH 4.0	4	3.99	4	1	4	4.17	1
pH 7.0	7	7.07	7	1	7	7.08	1
pH 10.0	10	10.03	10	1	10	10.12	1
LCS pH 4.01	4.01	n/a	4.04	1	4.01	4.17	1
LCS pH 7.0	7	n/a	7	1	7	6.99	1
LCS pH 10.01	10.01	n/a	9.9	1	10.01	10.1	1
ORP	234.88	214	234.8	1	234.68	231.5	1
Turbidity 0 NTU	0	5.8	0	1	0	0.3	1
Turbidity 40 NTU	40	45.8	40	1	40	35.3	1
Turbidity 200 NTU	200	182.7	200	1	200	187.4	1
Chla	≤0	-2.7	-2	1	≤0	-3.9	1
Flr	≤0	-0.6	-0.6	1	≤0	-0.9	1